

Peak District National Park

Forecast valid from 06:00 on Tuesday 15 Dec 2020 until 23:59 on Wednesday 16 Dec 2020

Forecast Issued on Tuesday 15 Dec 2020 at 02:45

Confidence: High for the unsettled, often windy weather continuing through the coming week but lower for details regarding cloud and timing of the various rain bands.

Headline for Tuesday 15 Dec 2020: Sunny spells and a few showers, especially in the afternoon. Occasionally strong southerly winds.

Mountain weather hazards on Tuesday 15 Dec 2020

Blizzards

No Likelihood

Heavy Snow

No Likelihood

Storm force winds

No Likelihood

Gales

No Likelihood

Severe chill effect

Low Likelihood

Poor visibility

Low Likelihood

Thunderstorms

No Likelihood

Heavy persistent rain

No Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Cloudy	Cloudy	Sunny intervals	Cloudy	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
10%	10%	20%	40%	10%	<05%

Forecast for Tuesday 15 Dec 2020

Weather: A cloudy start, but brightening up in the morning. A few showers developing in the afternoon, possibly moderate in places, but dry again by evening with some clear spells developing.

Chance of cloud free mountain/hill tops above 600m: Around 75% with occasional cloud above 600m, falling to around 40%, especially in west, for a time in the afternoon as cloud becomes periods above 600m.

Visibility: Good with just brief reductions in showers.

Forecast for Tuesday 15 Dec 2020

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	22/30 S	21/31 S	22/31 SW	20/29 S	20/29 SW	19/28 S	20/30 S
300	17/26 S	15/24 S	16/23 S	14/22 S	13/23 S	13/23 S	15/24 S
Valley	10/24 S	9/23 S	10/22 S	9/21 S	8/21 S	7/21 S	9/23 SE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-2	4/-2	4/-2	4/-1	4/-2	4/-1	4/-2
300	6/1	5/1	6/2	7/3	6/2	6/2	5/1
Valley	6/3	6/3	7/4	7/4	6/4	5/3	5/2
Freezing Level*	1100m	1100m	1200m	1200m	1100m	1100m	1100m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Gusts around 40mph over higher summits through the morning.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 15 Dec 2020	1mm	13mm	28mm

Forecast for Wednesday 16 Dec 2020

Weather: Dry with clear spells overnight but cloud increasing through the morning with rain spreading from the west. The rain becoming lighter and more patchy later in the day before clearing east in the evening. Gales likely across the summits in the morning.

Maximum wind: Southeasterly 35 gust 45-50mph becoming southerly 25 gust 35mph by evening.

Chance of cloud free mountain/hill tops above 600m: Around 25% through the morning, especially in the east with periods of cloud above 600m becoming close to zero around the middle of the day with periods of persistent cloud above 600m and patches below, improving to 75% later as cloud becomes more occasional again.

Visibility: Good or very good falling to several kilometres in rain

Temperature: **Valleys:** Around plus 5 Celsius overnight rising to plus 8 Celsius by day
At 600m: Around plus 4 Celsius.
Freezing level: Above the summits.